

On page 9, lines 31-32, replace "(3), above" with --(4), reprinted below--.

On page 9, line 32, replace " $M = C^d \bmod n$ " with $--M \equiv C^d \pmod{n}--$.

On page 10, line 9, between "to" and "(3)", insert --relationship--.

On page 10, line 16, replace " $M = C^d \pmod{n}$ " with $--M \equiv C^d \pmod{n}--$.

On page 10, lines 19-27, replace

$$M_1 = C_1^{d_1} \bmod p_1$$

$$M_2 = C_2^{d_2} \bmod p_2$$

$$M_3 = C_3^{d_3} \bmod p_3$$

where

$$C_1 = C \bmod p_1;$$

$$C_2 = C \bmod p_2;$$

$$C_3 = C \bmod p_3;$$

$$d_1 = d \bmod (p_1 - 1);$$

$$d_2 = d \bmod (p_2 - 1); \text{ and}$$

$$d_3 = d \bmod (p_3 - 1)."$$

with

$$M_1 \equiv C_1^{d_1} \pmod{p_1},$$

$$M_2 \equiv C_2^{d_2} \pmod{p_2},$$

$$M_3 \equiv C_3^{d_3} \pmod{p_3},$$

where

$$C_1 \equiv C \pmod{p_1},$$

$$C_2 \equiv C \pmod{p_2},$$

$$C_3 \equiv C \pmod{p_3},$$

$$d_1 \equiv d \pmod{p_1 - 1},$$

$$d_2 \equiv d \pmod{p_2 - 1}, \text{ and}$$

$$d_3 \equiv d \pmod{p_3 - 1}."$$

On page 11, lines 3-6, replace

$$Y_i = Y_{i-1} + [(M_i - Y_{i-1}) (W_i^{-1} \bmod p_i) \bmod p_i] \cdot W_i \bmod n$$

where

$$i \geq 2 \text{ and}$$

$$M = Y_k, Y_1 = C_1, \text{ and } W_i = \prod_{j=1}^i p_j."$$

$$\text{with } Y_i \equiv Y_{i-1} + [(M_i - Y_{i-1}) (w_i^{-1} \bmod p_i) \bmod p_i] \cdot w_i \bmod n$$

where

β^3

$2 \leq i \leq k$, and

$$M = Y_k, Y_1 = M_1, \text{ and } w_i = \prod_{j < i} p_j."$$

On page 11, lines 12-21, replace

$$\begin{aligned} C_1 &= M_1^{e_1} \bmod p_1 \\ C_2 &= M_2^{e_2} \bmod p_2 \\ C_3 &= M_3^{e_3} \bmod p_3 \end{aligned}$$

where

$$\begin{aligned} M_1 &= M \bmod p_1, \\ M_2 &= M \bmod p_2, \\ M_3 &= M \bmod p_3, \\ e_1 &= e \bmod (p_1 - 1), \\ e_2 &= e \bmod (p_2 - 1), \text{ and} \\ e_3 &= e \bmod (p_3 - 1)'' \end{aligned}$$

with

$$\begin{aligned} C_1 &\equiv M_1^{e_1} \bmod p_1 \\ C_2 &\equiv M_2^{e_2} \bmod p_2 \\ C_3 &\equiv M_3^{e_3} \bmod p_3 \end{aligned}$$

β^4

where

$$\begin{aligned} M_1 &\equiv M \bmod p_1, \\ M_2 &\equiv M \bmod p_2, \\ M_3 &\equiv M \bmod p_3, \\ e_1 &\equiv e \bmod (p_1 - 1), \\ e_2 &\equiv e \bmod (p_2 - 1), \text{ and} \\ e_3 &\equiv e \bmod (p_3 - 1). \end{aligned}$$

On page 11, line 21, replace "decrypted message M" with --encrypted message C--.

On page 12, lines 3-5, replace

$$M = \sum_{i=1}^k M_i (W_i^{-1} \bmod p_i) W_i \bmod n$$

where

$$W_i = \prod_{j \neq i} p_j, \text{ and''}$$

with

β^5

$$--M \equiv \sum_{i=1}^k M_i (w_i^{-1} \bmod p_i) w_i \bmod n$$